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| Date | 18 November 2022 |
| Team ID | PNT2022TMID25137 |
| Project Name | Car Resale Value Prediction |

BUILD AN PYTHON FLASK APP:-

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from flask import Flask, render_template, request
#from flask.ext.jsonify import jsonify
#import requests
import pickle
import numpy as np
import sklearn
from sklearn.preprocessing import StandardScaler
app = Flask(__name__)
model = pickle.load(open('random_forest_regression_model.pkl', 'rb'))

@app.route('/')
def index():#main page
    return render_template('car.html')

@app.route('/predict_page')
def home():#form pager
    return render_template('index.html')

standard_to = StandardScaler()
@app.route('/predict', methods=['POST'])
def predict():
    Fuel_Type_Diesel=0
    if request.method == 'POST':
        Year = int(request.form['year_name'])
        Present_Price=float(request.form['Present_Price'])
        Kms_Driven=int(request.form['Kms_Driven'])
        # Kms_Driven2=np.log(Kms_Driven)
        Owner=int(request.form['owner'])
        Fuel_Type_Petrol=request.form['Fuel_Type_Petrol']
        if(Fuel_Type_Petrol=='Petrol'):
            Fuel_Type_Petrol=1
            Fuel_Type_Diesel=0
        elif(Fuel_Type_Petrol=='Diesel'):
            Fuel_Type_Petrol=0
            Fuel_Type_Diesel=1
        else :
            Fuel_Type_Petrol=0
            Fuel_Type_Diesel=0
        Year=2020-Year
        Seller_Type_Individual=request.form['Seller_Type_Individual']

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    if(Seller_Type_Individual=='Individual'):
        Seller_Type_Individual=1
    else:
        Seller_Type_Individual=0
    Transmission_Mannual=request.form['Transmission_Mannual']
    if(Transmission_Mannual=='Mannual'):
        Transmission_Mannual=1
    else:
        Transmission_Mannual=0
    prediction=model.predict([[Present_Price,Kms_Driven,Owner,Year,Fuel_Type_Diesel,Fuel_Type_Petrol,Seller_Type_Individual,Transmission_Mannual]])
    output=round(prediction[0],2)
    if output<0:
        return render_template('index.html',prediction_texts="Sorry you cannot sell this car")
    else:
        return render_template('index.html',prediction_text="You Can Sell The Car at {}".format(output))
    else:
        return render_template('index.html')

if __name__=="__main__":
    app.run()

```